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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/522,598	01/26/2005	Changseok Lee	GK-US055009	3428

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EXAMINER

NGUYEN, TUAN HOANG

ART UNIT	PAPER NUMBER
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2618

DATE MAILED: 09/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/522,598

Applicant(s)

LEE, CHANGSEOK

Examiner

Tuan H. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claim 36 is objected to because of the following informalities: there are two dependent claims number 36. The second claim should be renumbered to 37.

Appropriate correction is required.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 4-7, 19-20, 24-33, and 35-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Forsyth (US PUB. 2004/0077340) in view of Hwang Sun-Yang (PCT International Publication Number WO 02/14976 hereinafter "Hwang").

Consider claims 1 and 4, Forsyth teaches a method of controlling and operating resources of an idle screen of a mobile communication terminal in a system for providing contents information to the mobile communication terminal comprising: allowing a user to join a service to receive content information through the mobile communication terminal, and to set or select the content information (page 2 [0012]);

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allowing idle screen information corresponding to the content information being set or selected by the user to be pushed from the service server, and the pushed information to be displayed on an idle screen, the display of the content information being based on a given template configuration (page 2 [0012]) and [0016]; allowing the user to pull detailed contents information among pushed content information on the idle screen displayed on an initial screen, and to receive the pulled contents information (page 5 [0096]).

Forsyth does not explicitly show that allowing a service server to operate cooperatively with a content information provider, to classify multimedia information received from the content information provider based on the content information within the service server, and to allocate a channel and a stack; and allowing the received content information to be read from a memory and a storage unit of the mobile communication terminal, and the content information to be displayed according to a predetermined screen configuration of the mobile communication terminal.

In the same field of endeavor, Hwang teaches allowing a service server to operate cooperatively with a content information provider, to classify multimedia information received from the content information provider based on the content information within the service server, and to allocate a channel and a stack (page 16 lines 7-12); and allowing the received content information to be read from a memory and a storage unit of the mobile communication terminal, and the content information to be displayed according to a predetermined screen configuration of the mobile communication terminal (page 8 lines 11-17).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use, allowing a service server to operate cooperatively with a content information provider, to classify multimedia information received from the content information provider based on the content information within the service server, and to allocate a channel and a stack; and allowing the received content information to be read from a memory and a storage unit of the mobile communication terminal, and the content information to be displayed according to a predetermined screen configuration of the mobile communication terminal, as taught by Hwang, in order to provide information to a user who desires the information, according to a personal information setting carriers out by a mobile communication terminal device or a personal computer of the user, that is able to connect to the internet.

Consider claim 5, Forsyth teaches the idle screen includes screens divided into a first region and a second region, the second region includes a menu corresponding to the content information displayed in the first region, or a quick launch executing resources within a portable mobile communication device or a virtual machine (VM) application and configured to access to a wireless Internet web site provided in the form of an icon (page 1 [0007]).

Forsyth does not explicitly show that the first region is displayed as divided screens, and each of the divided screens has a display mode in which corresponding content information is displayed in the form of multimedia.

In the same field of endeavor, Hwang teaches the first region is displayed as divided screens, and each of the divided screens has a display mode in which corresponding content information is displayed in the form of multimedia (page 6 lines 10-22).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use, the first region is displayed as divided screens, and each of the divided screens has a display mode in which corresponding content information is displayed in the form of multimedia, as taught by Hwang, in order to provide information to a user who desires the information, according to a personal information setting carriers out by a mobile communication terminal device or a personal computer of the user, that is able to connect to the internet.

Consider claim 6, Forsyth further teaches the idle screen includes screens divided into a first region and a second region, the first region includes a display mode in which the content information is displayed as a sliding text or image in a list of a table form (page 1 [0006]), and the second region includes a menu corresponding to the content information displayed on the first region, or a quick launch capable of executing resources within a portable mobile communication device or an virtual machine (VM) application and having access to an wireless Internet web site provided in the form of an icon (page 1 [0007]).

Consider claim 7, Forsyth further teaches the idle screen includes screens divided into a first region and a second region, the first region includes a display mode in which a sliding text or image is displayed, the second region is displayed as divided screens, and each of the divided screens has a display mode in which corresponding content information is displayed in the form of multimedia (page 1 [0006]), and the third region includes a menu corresponding to the content information displayed in the first region and the second region, or a quick launch configured to execute resources within a portable mobile communication device or an virtual machine (VM) application and having access to an wireless Internet web site provided in the form of an icon (page 1 [0007]).

Consider claims 19-20, Forsyth further teaches the divided screens in multimedia form of the second region display a title having the content information built in (page 1 [0006]).

Consider claims 24-26, Forsyth further teaches the screens of the first region and the second region, are of text information, text information and image information, table information, chart or graphic information, and motion picture information containing audio information or audio information (page 2 [0016]).

Consider claims 27-29, Forsyth further teaches each of the icon forms is configured to be added, omitted, and changed in order, and to be selectively displayed according to the input of a given key and a given status of a terminal (page 1 [0007]).

Consider claims 30-31, Forsyth further teaches the screens in multimedia form of the second region of claim 7 are provided in the form of an icon (page 1 [0007]), and detailed information is displayed on the whole screen, the whole display window, the whole of each of the regions or some of each of the regions in the idle screen corresponding to each content information by clicking on the divided content information icon (page 1 [0007]).

Consider claims 32-33, Forsyth further teaches the screens of the first region are formed in the icon form (page 1 [0007]), and content information corresponding to a multimedia icon is displayed in detail on the whole screen, the whole display window, the whole of each of the regions or some of each of the regions by selecting the icon form or inputting a key for confirming selection (page 1 [0007]).

Consider claims 35-37, Hwang further teaches multimedia information is displayed that replaces information to be represented, or multimedia information of a look-ahead form, which is reduced from information to be represented (page 16 lines 7-12).

4. Claims 8-15, 17, 21-23 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Forsyth (US PUB. 2004/0077340) in view of Hwang Sun-Yang (PCT International Publication Number WO 02/14976 hereinafter "Hwang"), and further in view of Daniel (U.S PAT. 7,039,423 hereinafter "Daniel").

Consider claim 8, Forsyth further teaches the idle screen includes screens divided into a first region, a second region, a third region and a fourth region, the first region includes a display mode in which a sliding text or image is displayed (page 1 [0006]), the third region is displayed as divided screens, and each of the divided screens has a display mode in which corresponding contents information is displayed in multimedia form (page 1 [0006]), and the fourth region includes a menu corresponding to the content information displayed in the first region, the second region, and the third region, or a quick launch configured to execute resources within a portable mobile communication device or an virtual machine (VM) application and having access to an wireless Internet web site is provided in the form of an icon (page 1 [0007]).

Forsyth and Hwang, in combination, fails to teaches the second region includes a channel switch display mode in which respective contents information is channeled.

However, Daniel teaches the second region includes a channel switch display mode in which respective contents information is channeled (col. 4 lines 28-53).

Therefore, it is obvious to one of ordinary skill in the art at the time the invention was made to incorporate the disclosing of Daniel into view of Forsyth and Hwang, in order to provide directed toward the streaming of mostly different content at least some

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interactive display messages on personal cellular telecommunications devices for the benefit of subscribers for no more than their occasional glancing at their personal cellular telecommunications devices' display screens which they often do anyway.

Consider claim 9, Forsyth further teaches the divided screens in multimedia form of the third region display a title having the content information built in (page 1 [0006]).

Consider claim 10, Daniel further teaches the screens of the first region and the third region display channeled contents information, and the channels are divided and displayed (col. 4 lines 28-53).

Consider claim 11, Forsyth further teaches the screens of the first region and the third region are of text information, text information and image information, table information, chart or graphic information, and motion picture information containing audio information or audio information (page 2 [0016]).

Consider claim 12, Forsyth further teaches each of the icon forms is configured to be added, omitted, and changed in order, and to be selectively displayed according to the input of a given key and a given status of a terminal (page 1 [0007]).

Consider claim 13, Forsyth further teaches the screens in multimedia form of the third region are provided in the form of an icon (page 1 [0007]), and detailed information

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is displayed on the whole screen, the whole display window, the whole of each of the regions or some of each of the regions in the idle screen corresponding to each content information by clicking on the divided content information icon (page 1 [0007]).

Consider claim 14, Hwang further teaches the icon form displays multimedia information that replaces information to be represented, or multimedia information of a look-ahead form, which is reduced from information to be represented (page 16 lines 7-12).

Consider claim 15, Forsyth further teaches the screen of the first region are formed in the icon form (page 1 [0007]), and content information corresponding to a multimedia icon is displayed in detail on the whole screen, the whole display window, the whole of each of the regions or some of each of the regions by selecting the icon form or inputting a key for confirming selection (page 1 [0007]).

Consider claim 17, Hwang further teaches multimedia information is displayed that replaces information to be represented, or multimedia information of a look-ahead form, which is reduced from information to be represented (page 16 lines 7-12).

Consider claims 21-23, Daniel further teaches the screens of the first region and the second region, display channeled contents information, and the channels are divided and displayed (col. 4 lines 28-53).

Consider claim 34, Hwang further teaches multimedia information is displayed that replaces information to be represented, or multimedia information of a look-ahead form, which is reduced from information to be represented (page 16 lines 7-12).

Conclusion

5. Any response to this action should be mailed to:

Mail Stop_____ (Explanation, e.g., Amendment or After-final, etc.)

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Facsimile responses should be faxed to:

(571) 273-8300

Hand-delivered responses should be brought to:

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria, VA 22313

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan H. Nguyen whose telephone number is (571) 272-8329. The examiner can normally be reached on 8:00Am - 5:00Pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Maung Nay A. can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information Consider the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Nguyen
Examiner
Art Unit 2618


QUOCHIEN B. VUONG
PRIMARY EXAMINER

9/16/06